Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/14/2021 09:45 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124666	-1	1.71	124632	1.61
Blue	F	SSC	125000	121895	-3	2.72	122156	2.47
Blue	E	FITC	13131	12737	-4	2.68	293	15.91
Blue	D	PE	24112	23605	-3	2.20	542	10.95
Blue	B	PerCP-Cy5-5	31295	30797	-2	3.37	1021	14.95
Blue	A	PE-Cy7	19939	19637	-2	5.57	522	29.65
Red	C	APC	42122	41293	-2	2.77	1731	11.14
Red	A	APC-Cy7	22340	21567	-4	3.20	809	11.68
Violet	B	V450	7410	7071	-5	3.48	430	12.39
Violet	A	V500	28118	26771	-5	3.03	670	9.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22646	2.16	583	14	N/A	N/A	Pass
Blue	F	SSC	56812	1.35	520	8	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	0	0.0393	91	Pass
Blue	D	PE	114	37.07	490	2	0.3955	293	Pass
Blue	B	PerCP-Cy5-5	188	35.94	587	1	0.0185	26	Pass
Blue	A	PE-Cy7	104	67.02	629	1	0.0210	0	Pass
Red	C	APC	400	24.56	580	4	0.0304	329	Pass
Red	A	APC-Cy7	181	28.05	554	3	0.0063	1277	Pass
Violet	B	V450	60	62.43	457	4	0.0612	2162	Pass
Violet	A	V500	97	32.23	468	3	0.0267	617	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.48	-31.26	1.06
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.18	13.60 - 20.40	N/A	N/A	29.68	29.88	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13072

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments